WHAT IS CLAIMED IS:

1.   In a telecommunications network, having at least one operation support system, a method for automatic provisioning and maintenance of the operation support systems, the method comprising:

receiving from said at least one operating support system a request related to network elements of at least one EMS client;

creating a data set of detailed data descriptions based on the request for each of the network elements using a database, and provisioning logic

transmitting the resulting data set to the operating support system which submitted the request; and

transmitting an asynchronous notification of said resulting data set to all the operating support systems.

2.   The method of claim 1, wherein said database includes information on attributes associated with the network elements.

3.   The method of claim 2 further comprising:

selecting at least one of the network element attributes from said database based on the request received from the operating support system.

4.   The method of claim 2 wherein said attributes include managed element, topological link, multilayer subnetwork, PTP, CTP, Equipment holder, equipment, routing link, subnetwork connection and combinations thereof.

5.   The method of claim 1 wherein said request includes instructions to create a connection between the EMS clients.

6.   The method of claim 5 wherein upon receipt of said instructions, establishing a connection between the network elements of the EMS clients and notifying of the connection to all said operating support systems.

7.   The method of claim 1, wherein said asynchronous notification is transmitted upon creation of the network elements.

8.   The method of claim 1 wherein said asynchronous notification is transmitted upon deletion of the network elements.

9.   The method of claim 1 wherein said asynchronous notification is transmitted upon change in state of the network elements.

10.   The method of claim 1 wherein said network elements simulate behavior of the EMS clients.

11.   In a telecommunications network, having a plurality of network elements of at least one EMS client, a method for producing a virtual network, the method comprising:

receiving an interface description language (IDL) supplied by the EMS client;

generating an EMS skeleton using said IDL and TMF standards specific information of the IDL, wherein said EMS skeleton is a framework of behavior of all the EMS;

extracting data from the EMS client when said EMS client is available, said data includes interface specification of the client;

converting said data into XML templates;

generating a set of virtual network elements using said XML templates, wherein said virtual network elements simulate behavior of network elements of the EMS client; and

connecting the virtual network elements with each other, thereby creating said virtual network.

12.   The method of claim 11 further comprising:

manually generating EMS data as XML templates using interface specification of the client when said EMS client is not available.

13.   The method of claim 11 further comprising:

creating a virtual subnetwork connection between the network elements, wherein said

subnetwork connection includes a group of network elements internally connected in an artificial

manner.

14.   The method of claim 11, further comprising:

modifying the XML templates based on variation in the data supplied by the EMS client.

15.   The method of claim 11 wherein said step of connection includes selecting physical

terminal points of the network elements and generating control terminal points to create the

connection between network elements.

16.   The method of claim 15, wherein said data is extracted from the EMS client via CORBA

server.